

Notice of Allowability

Application No.

10/710,515

Examiner

Ha D. Ho

Applicant(s)

ALFREDSSON, SVERKER

Art Unit

3681

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Application filed 7/16/04.
2. ☒ The allowed claim(s) is/are 1-15.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☒ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 1/16/04&10/25/04
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.
2. Authorization for this examiner's amendment was given in an email communication with Mr. Druce on 3/01/06.
3. The application has been amended as follows:

IN THE ABSTRACT:

- Line 4, "means" has been changed to --member--.
- Line 6, "means" has been changed to --member--.
- Line 8, "means" has been changed to --member--.
- Line 9, "means" has been changed to --member--.
- Line 10, "means" has been changed to --member--.
- Line 11, "means" has been changed to --member--.
- Line 11, "means" has been changed to --member--.

IN THE CLAIMS:

- Claim 1, line 9, "which" has been changed to --wherein the--.
- Claim 6, line 2, "means" (both occurrences) have been changed to --engagement member".
- Claim 6, line 3, "means" has been changed to --member--.

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- Claim 8, line 1, “rings” has been changed to --ring--.
- Claim 8, line 2, “are” has been changed to --is--.
- Claim 12, line 1, --resilient-- has been inserted before the word “element”.
- Claim 14, line 6, “gearwheel” has been changed to --ring gear--.
- Claim 15, line 1, the word “said” has been deleted.

4. The following is an examiner’s statement of reasons for allowance: The prior art of record does not disclose or render obvious a motivation to provide for a gear box as defined by the limitations of claim 1; including first and second coupling rings for engaging a high-range mode and a low-range mode, an axial displaceable ring gear of a planetary gear and the coupling rings alternatively engage with at least one synchronizing member, a first member for axially displacing the ring gear, a second member for engaging at least the second coupling, a third member for driving the synchronizing member, wherein the synchronizing member and the second coupling ring are coaxially arranged outside the ring gear, the second and third members are arranged on a radially external side of the ring gear, and the second coupling ring is arranged between the synchronizing member and the first member.

5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

Cited Prior Art

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: Harper’252, Larsson’538, Francis’289, Nilsson’638, Kameda et al.’741, and


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Svab'515 which each shows a transmission including a planetary gear unit and a synchronizing coupling for changing the ratio of the transmission.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ha D. Ho whose telephone number is 571-272-7091. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Marmor can be reached on 571-272-7095.

8. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

HDH
(571) 272-7091
March 2, 2006


HA HO
PRIMARY EXAMINER
Art Unit 3681 3/02/06